Ontario

Ministry of Northern Development and Mines

Mines and Minerals Division

GEOLOGICAL DATA INVENTORY FOLIO

GDIF 566

CHURCHILL TOWNSHIP

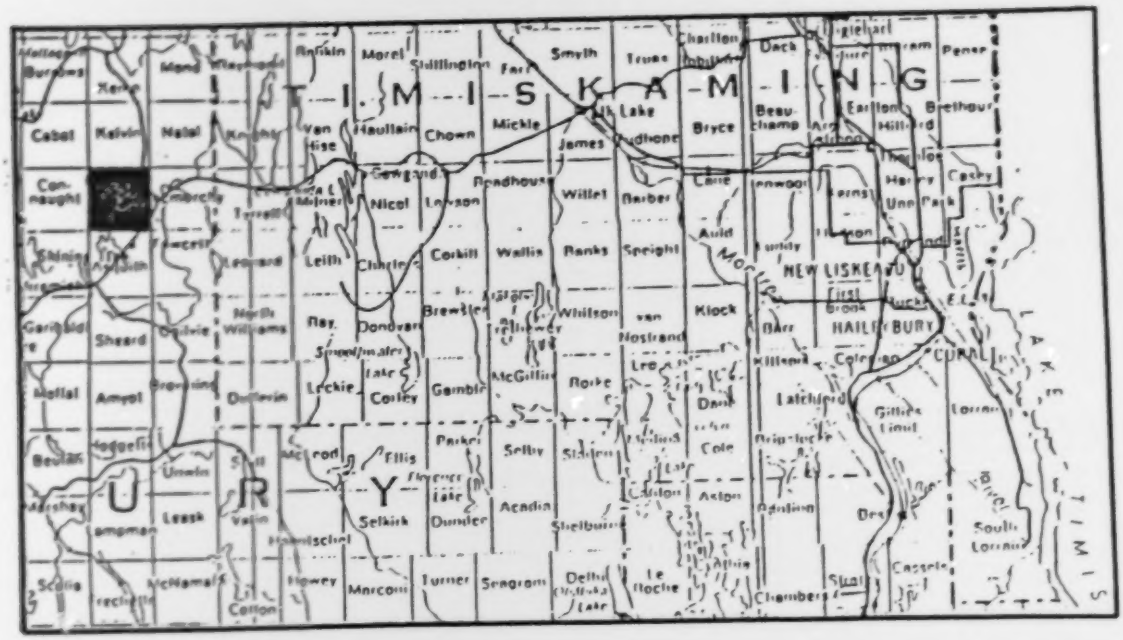
LARDER LAKE MINING DIVISION

NTS No. 41P/11

Compiled by the staff of

the Resident Geologist's Office

COBALT



LOCATION MAP

CANADA ONTARIO
Mineral Development Agreement
Entente sur le développement minéral

This project is part of the five year Canada–Ontario 1985 Mineral Development Agreement (COMDA), a subsidiary agreement to the Economic and Regional Development Agreement (ERDA) signed by the governments of Canada and Ontario.

90-04561/

Mining Claim Map Number G-3210 (formerly M-719)

This project was funded under the Canada Ontario Mineral Development Agreement (COMDA) 1985-1990.

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Ministry of Northern Development and Mines does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey 1990. Churchill Township, Geological Data Inventory Folio 566; compiled by the staff of the Resident Geologist's Office, Cobalt.

Original Compilation by: Anderson, Patricia, January 1990

Date	Page(s) Revised	Revised by
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Date	Page(s) Revised	Revised by

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A. Files Index Map (s) ..... Map A-1, A-2

B. Exploration Data Map (s) ..... Map B-1

ABBREVIATIONS LIST

A.F.R.O.	Assessment Files Research Office (Toronto)
Ann. Rept. (A.R.)	Annual Report
A.R.I.P	Aggregate Resources Inventory Paper
Bull	Bulletin
C.I.M.M.	Canadian Institute of Mining and Metallurgy
C.J.E.S.	Canadian Journal of Earth Sciences
C.M.J.	Canadian Mining Journal
Econ. Geol.	Economic Geology
E.M.R.	Department of Energy, Mines and Resources
E.P.B.	Earth Physics Branch
G.A.C.	Geological Association of Canada
GC	Geological Circular
GDIF	Geological Data Inventory Folio
Geol.	Geology
Geol. Soc. Amer. Bull.	Geological Society of American Bulletin
GR	Geoscience (Geological) Report
GSC	Geological Survey of Canada
I.L.S.G.	Institute on Lake Superior Geology
IMR	Industrial Mineral Report
I.O.C. (I.O.)	Report of the Iron Ore Committee (1923)
Jour. (or J)	Journal
MDC	Mineral Deposit Circular
M.D.I. (R)	Mineral Deposit Inventory (Record)
Mem	Memoir
MNDM	Ministry of Northern Development and Mines
MNR	Ministry of Natural Resources
MP	Miscellaneous Paper
MRC	Mineral Resources Circular
N.M.I.	National Mineral Inventory
NOEGTS	Northern Ontario Engineering Geology Terrain Study
NTS	National Topographic System
O.B.M.	Ontario Bureau of Mines
O.D.L.F.	Ontario Department of Lands and Forests
ODM	Ontario Department of Mines/Ontario Division of Mines
ODMNA	Ontario Department of Mines and Northern Affairs
OFR	Open File Report
OGS	Ontario Geological Survey
P.R.	Preliminary Report
Prelim. (or P)	Preliminary
R.C.	Royal Commission on Mineral Resources of Ontario (1890)
S.M.D.R.	Source Mineral Deposit Record
SOEGTS	Southern Ontario Engineering Geology Terrain Study
Sum. Rept.	Summary Report
Nip. Dist.	Nipissing District
Sud. Dist.	Sudbury District
Tim. Dist.	Timiskaming District
N.O.	Report of the Survey and Exploration of Northern Ontario, 1900
Ont.	Ontario
AF	Assessment Files

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no': if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	D.P.A.
2	Assessment Files Research Office, Toronto	Yes	D.P.A.
3	OGS/ODM General Index	Yes	D.P.A.
4	Catalogue of Airborne Geophysical Surveys (ODM)	N.A.	D.P.A.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	D.P.A.
6	ODM Industrial Mineral Reports	No	D.P.A.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	D.P.A.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	No	D.P.A.
9	Newspaper Clippings File	Yes	D.P.A.
10	GSC Index to Publications	Yes	D.P.A.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	D.P.A.
12	OGS Index Maps	Yes	D.P.A.
13	Source Mineral Deposit Records (OGS)	Yes	D.P.A.
14	Author - Subject Articles File	No	D.P.A.
15	ODM/OGS Miscellaneous Papers	Yes	D.P.A.
16	ODM Geological Circulars	Yes	D.P.A.
17	OGS Study Series	Yes	D.P.A.
18	ODM Preliminary Reports	No	D.P.A.
19	ODM Bulletins	No	D.P.A.
20	ODM/OGS Open File Reports	Yes	D.P.A.
21	OGS Northern/Southern Ontario Engineering Geology Terrain Studies	Yes	D.P.A.
22	OGS Aggregate Resources Inventory Papers	N.A.	D.P.A.
23	OGS Mineral Potential Maps	Yes	D.P.A.
24	Drill Core Library Catalogue	Yes	D.P.A.
25	Theses on File, Cobalt	Yes	D.P.A.
26	Aerial Photographs on File, Cobalt	Yes	D.P.A.
*			

MINERAL COMMODITIES REFERENCE LIST

anh ..... Anhydrite	gl ..... Gravel	ra ..... Radioactive minerals	ADDITIONS
ank ..... Ankerite	gyp ..... Gypsum	RE ..... Rare Earths	
ap ..... Apatite	hem ..... Hematite	sd ..... Sand	
arg ..... Argentite	▲ Fe ..... Iron	sgl ..... Sand and gravel	rho rhodochrosite
As ..... Arsenic	▲ IF ..... Iron Formation	ss ..... Sandstone	mp mariposite
asp ..... Arsenopyrite	jas ..... Jasper	scap ..... Scapolite	
asb ..... Asbestos	ky ..... Kyanite	shee ..... Scheelite	
ba ..... Barite	Pb ..... Lead	serp ..... Serpentine	
be ..... Beryl	lim ..... Limonite	sh ..... Shale	
Bi ..... Bismuth	Li ..... Lithium	sid ..... Siderite	
bn ..... Bornite	mgst ..... Magnesite	si ..... Silica	
Cd ..... Cadmium	mag ..... Magnetite	▲ Ag ..... Silver	
calc ..... Calcite	mc ..... Malachite	sl ..... Slate	
carb ..... Carbonate	Mn ..... Manganese	sm ..... Smaltite	
cc ..... Chalcocite	mb ..... Marble	sod ..... Sodalite	
cp ..... Chalcopyrite	mar ..... Marcasite	spec ..... Specularite	
ch ..... Chert	ma ..... Marl	sp ..... Sphalerite	
clay ..... Clay	mi ..... Mica	spd ..... Spodumene	
Co ..... Cobalt	mo ..... Molybdenite	s ..... Sulphides	
cob ..... Cobaltite	Mo ..... Molybdenum	talc ..... Talc	
▲ Cu ..... Copper	mon ..... Monazite	Te ..... Tellurium	
cor ..... Corundum	ne .... Nephelite (nepheline)	th ..... Thorite	
dol ..... Dolomite	Ni ..... Nickel	Th ..... Thorium	
ep ..... Epidote	Nb ..... Niobium	ti ..... Titanite	
fel ..... Feldspar	Pd ..... Palladium	Ti ..... Titanium	
fl ..... Fluorite (flurospar)	pent ..... Pentlandite	tour ..... Tourmaline	
fu. ..... Fuchsite	Pt ..... Platinum	W ..... Tungsten	
gn. ..... Galena	py ..... Pyrite	uran ..... Uraninite	
gt. ..... Garnet	pyl ..... Pyrochlore	U ..... Uranium	*
goe ..... Goethite	po ..... Pyrrhotite	verm ..... Vermiculite	
▲ Au ..... Gold	q ..... Quartz	Zn ..... Zinc	
gf ..... Graphite	qcv .. Quartz carbonate vein	zr ..... Zircon	

▲ Solid triangles indicate metal and mineral occurrences shown on the accompanying maps

MINERAL OCCURRENCES

Ref Letter on Map	(see Exploration Data Map) Name(s)	Mineralization	REFERENCES IN SMDR-Source Mineral Deposit Record MDC-Mineral Deposits Circular, OGS IMR-Industrial Mineral Report, OGS MDI-Mineral Deposit Inventory NMI-National Mineral Inventory	Additional References and/or Remarks
A	Churchill (Michiwakenda Lake)	Au-major	MDIR S0505 SMDR 01966 NMI 41P/11 Au15 MDC 18, p. 54-55	OGS 1920, AR vol. 29, pt. 3, p. 41 OGS 1934, AR vol. 43, pt. 3, p. 70-72 OGS 1937, AR vol. 46, pt. 1, p. 113-114 OGS 1980, Report 190, p. 71 OGS 1978, Map 2414
B	Cochrane (Hames, C.M., Triton)	Au-major	MDIR S0526 SMDR 01967 NMI 41P/11 Au 4 MDC 18, p. 95	OGS 1920, AR vol. 29, pt. 3, p. 41-42 OGS 1980, Report 190, p. 65-66 AFRO 1973, #2.1308, 63.3201 AFRO 1980, #63.385 AFRO 1973, Churchill Tp., DHR 11 OGS 1978, Map 2414
C	Gold Corona (Queen of Sheba, Jorgenson, W.D.)	Au-major Fe-minor	MDIR S0529 SMDR 01968 NMI 41P/11 Au 14 MDC 18, p. 95	OGS 1920, AR vol. 29, pt. 3, p. 42 OGS 1980, GR 190, p. 66-67 AFRO 1980, #63.3825 OGS 1978, Map 2414 ODM 1934, Map 43C

MINERAL OCCURRENCES

Ref Letter on Map	(see Exploration Data Map) Name(s)	Mineralization	REFERENCES IN SMDR-Source Mineral Deposit Record MDC-Mineral Deposits Circular, OGS IMR-Industrial Mineral Report, OGS MDI-Mineral Deposit Inventory NMI-National Mineral Inventory	Additional References and/or Remarks
D	Gosselin (Noranda)	Au-major Ag, Cu-minor	MDIR S0530 SMDR 01969 MDC 18, p. 88-89	OGS 1980, Report 190, p. 67-69 OGS 1920, AR vol. 29, pt. 3, p. 51-52 AFRO 1973-74, #2.1321, 2.1602 AFRO 1975, #2.1940 AFRO 1980, #2.3518, 2.3262 AFRO 1975, Churchill Tp., DHR 13,14 OGS 1978, Map 2414
E	Herrick (Triton, Knox, Kingsley, Michiwakenda Lake)	Au-major	MDIR S0527 SMDR 01970 MDC 18, p. 55 NMI 41P/11 Au15	OGS 1920, AR vol. 29, pt. 3, p. 43 OGS 1980, Report 190, p. 70 OGS 1934, AR vol. 43, pt. 3, p. 72-73 OGS 1978, Map 2414
F	Jonsmith	Cu-major	MDIR S0568	Northern Miner 71-07-29, Jonsmith, p. 18 OGS 1979, Report 190, p. 66 OGS 1978, Map 2414

MINERAL OCCURRENCES

Ref Letter on Map	(see Exploration Data Map) Name(s)	Mineralization	REFERENCES IN SMDR-Source Mineral Deposit Record MDC-Mineral Deposits Circular, OGS IMR-Industrial Mineral Report, OGS MDI-Mineral Deposit Inventory NMI-National Mineral Inventory	Additional References and/or Remarks
G	Pacesetter (Jonson-Lake)	Au-major	MDIR S 0528 SMDR 01971 NMI 41P/11 Au5	AFRO 1974, #63.3328 AFRO 1975, #63.3261, 2.1803 AFRO 1974, Churchill Tp., DHR 12 OGS 1978, Map 2414
H	Royal Mining	Au-major	MDIR S 0531 SMDR 01972	OGS 1980, Report 190, p. 69 AFRO 1971 #2.706 AFRO 1981 #2.4027, 2.4398 OGS 1978, Map P.2414
I	Okawakenda-Michiwa-kenda Lakes Occurrence	IF	MRC 11, p. 328	ODM 1934, AR vol. 43, pt. 3, p. 51-2 and map 43c GSC 1917, mem. 95, p. 39
J	McBride	Cu		OGS 1980, Report 190, p. 55

MINERAL OCCURRENCES

Ref. Letter on Map	(see Exploration Data Map) Name(s)	Mineralization	REFERENCES IN SMDR-Source Mineral Deposit Record MDC-Mineral Deposits Circular, OGS IMR-Industrial Mineral Report, OGS MDI-Mineral Deposit Inventory NMI-National Mineral Inventory	Additional References and/or Remarks

TYPE OF WORK (see Files Index Map) EXPLORATION FILES		Numbers below represent the year in which the work was done; e.g., 68 for 1968																	
Ref No on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	OTHER DATA IN THIS FILE, OR FOOTNOTES
1	McBride			69 70 71 72														
2	Onitap Resources Inc., Jonson Lake Group AFRO #2.7507	84	84															
3	Onitap Resources Inc., Churchill and Asquith Tps. AFRO #2.7018		84	85	E/	87									85			
4	Patino Mines Ltd., Shiningtree 1 and Gosselin North Properties, Asquith and Churchill Tps. AFRO #2.4026, 2.3518 2.4398 2.4027	80 81 82			81							79 81	79 81					

SEE PAGE 14-1...NOTES, FOR ITEMS LISTED BY NUMBER IN THIS COLUMN

TYPE OF WORK (see Files Index Map) EXPLORATION FILES		Numbers below represent the year in which the work was done, e.g., 68 for 1968																	
Ref No on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	OTHER DATA IN THIS FILE, OR FOOTNOTES
5	Corona, Black Tiger or Queen of Sheba																	
	Discovery, pre 1916																	
	Mining Corp. of Canada Ltd. (option)					16												
	Cochrane, S., Werrett, W.E., Ufland, D. (owners), 1936																	
	Erie Canadian Mines Ltd. (option)					36		36										
	Wright, Hargreaves Mines Ltd. (option)				45													
	Jorgenson, W.D. (owner) 1973																	
	Shiningtree Gold Resources Inc. (owner) 1980			81		80						82	82					
	installed 50 tpd mill, 1982																	

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6	Shiningtree Gold Resources Inc. AFRO #24848 (5)(9)(26)	82		81	82	81		81 82					81					
7	Shiningtree Gold Resources Inc., Gunter Mines option AFRO #25961											82 83	82 83					
8	Shiningtree Gold Resources Inc., McBride Option			83				83										
9	Silver Princess Resources Inc., optioned Shiningtree Gold Resources Inc. (6)	83	83		83	83									83			N-1
10	Timmins Gold Resources Ltd., Beilby Lake Property												82					

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(#) Number refers to related properties.

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11	Timmins Gold Resources Ltd., Gosselin North Property, Churchill and Asquith Tps.				82													
12	Vellow, Peter			82 85														
13	Texasgulf Canada Inc. "Churchill 31 and 42" AFRO #2.4178											82	82					
14	Sutherland, F.C.				56													
15	Dome Exploration (Canada) Ltd.											80						
16	Leblanc, Guillaume AFRO #2.5630											83						

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17	Falcon, Gold Developments Ltd., "Hames, Marshall, C. claims", AFRO #2.1308, purchased from M. Greene and Assoc. Ltd.	73			73			72 73				73						
18	Cashaback, Ambrose			83 84 85 86														
19	Kidd Creek Mines Ltd. AFRO #2.5525, 2.5524, 2.5732	82 83			85 84			85				83 83	83					

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20	Nealand Mining and Exploration Ltd., "Jonson Lake Group", (R. Annett and R. Ferguson), Churchill, Connaught and Asquith Tps.				87 87 88	87 87 88												
21	Parres, James							88										
22	Grantland Gold Mines Ltd., Herrick Property, Churchill and Macmurchy Tps.																	
	Knox, J.A., 1918, discovered Kingsley Vein																	
	Sutherland, F.C., 1919																	
	Tonapah Mining and Herrick Gold Mines Ltd.			19	19 21	19	20- 25	19 20 21 23 35										

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22	Grantland Gold cont.																		
	Consolidated Ontario Gold Mines, shaft deepened to 308'	33				34	34												
	Grantland Gold Ltd.				54	?													
23	Gunter, Clinton			87 88 88 89															
24	Gail Resources Ltd., Churchill and Kelvin Tps. AFRO #2.6128, 2.6802, 2.7757								84-85	84-85		83 84							
25	Marshall Minerals Corp., Churchill and Kelvin Tps. AFRO #2.6821, 2.7758								84	84		84							

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Ref No on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	
26	Cochrane Claims, Wright-Hargreaves Mines Ltd. option																	
	Mining Corporation Ltd.			16														
	Wright-Hargreaves Mines Ltd.				45			45										
	Falcon Gold Developments Ltd. (owner) purchased from M. Greene and Assoc. Ltd. (17)	73			73							73						
	Shiningtree Gold Resources Inc. (6)			81		80						82	82					
27	Sharon Mines Ltd. (Rhonda Gold Mines Ltd.), Churchill and Macmurchy Tps.					13												
28	Sauve, J. (Gunter Prospect)			80		80												

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TYPE OF WORK (see Files Index Map) EXPLORATION FILES		Numbers below represent the year in which the work was done: e.g., 68 for 1968																OTHER DATA IN THIS FILE, OR FOOTNOTES
Ref. No on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	
29	Pacesetter Mines Ltd., "Schlesinger, H. claims" AFRO #2.1803, 2.1662	74		74	74	74		74 75					75					
30	Noranda Exploration Co. Ltd., "Colbert-Torchia Option", Asquith and Churchill Tps. AFRO #2.1602, 2.1321	74										73						
31	Tri-Bridge Consolidated Gold Mines Ltd., AFRO #2.1940 Asquith and Churchill Tps.	75			75	75												

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32	Winnebago Mines Ltd., Asquith and Churchill Tps. AFRO #2.716	71						71				71	71					
33	Bolduc Gold (formerly Gosselin Gold), Asquith and Churchill Tps.					22 59		36 37 59										
34	Manwa Exploration Services Ltd. AFRO #2.7339 Asquith, Cabot, Connaught and Churchill Tps.								84	84 84								
35	Timmins Gold Resources Ltd., "Jonson Lake Property", Asquith and Churchill Tps. AFRO #2.6796, 2.6478											84 84	84 84					

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36	Timmins Gold Resources Ltd., Shining Tree 1 Property", Asquith and Churchill Tps.				84														
37	Royal Mining Corp., Asquith and Churchill Tps. AFRO #2.706											71	71						
38	Texasgulf Canada Ltd., "Connaught 55", Connaught and Churchill Tps. AFRO #2.2008, 2.2817, 2.2234, 2.2873	79						76 77				76 76 77	76 76 77 77						
39	Deering, D.			89															

SEE PAGE 14-1...NOTES, FOR ITEMS LISTED BY NUMBER IN THIS COLUMN

TYPE OF WORK (see Files Index Map) EXPLORATION FILES		Numbers below represent the year in which the work was done; e.g., 68 for 1968																OTHER DATA IN THIS FILE, OR FOOTNOTES
Rel No on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	
40	Skead Holdings Ltd., Churchill, Kelvin and Skead Tps. AFRO #2.12647								89	89								
41	Inco. Gold Co. AFRO #2.12664	89										89	89					
42	Unocal Canada Ltd.	89		89														

SEE PAGE 14-1...NOTES, FOR ITEMS LISTED BY NUMBER IN THIS COLUMN

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
1	Onitap Resources Inc., Gosselin Property	ST87-09	1987	N60E	-50	10	458	py,fu,hem,	Ag,Au
2	Patino Mines Ltd.	STS-1 ●	1981	240	-45	3	384	py	
3	Wright Hargreaves Mines Ltd.		1945	13 holes totalling			1761',	no logs available.	
4	Silver Princess Resources Inc.	OCS-1 ●	1983	022	-52	10	291	py,cp,lim, fu,ch	Au,Cu,Pb, Zn,Ag,As
		OCS-2 ●	1983	230	-54	8	471	py,cp	
		OCS-3 ●	1983	230	-50	14	196	py,ch,gf, cp	
		OCS-4 ●	1983	230	-65	6	425	py,fu	
		OCS-5	1983	140	-65	8	366	py,cp,rho	Au,Cu,Pb, Zn,Ag,As
		OCS-6 ●	1983	022	-50	6	220	py,rho	
		OCS-7 ●	1983	230	-65	8	702	py	
5	Timmins Gold Resources Ltd., Gosselin North	XP-01 ●	1982	235	-45	3	166	py,cp,ch	
		XP-01A ●	1982	235	-50	3	446	py,ch,spec	

● —— indicates core stored at Drill Core Library

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
6	Sutherland, F.C.	1	1956	270	-30	0	100		
		2	1956	270	-60	0	108		
7	Falcon Gold Developments Ltd.	1	1973	West	-65	0	345	py	
		2	1973	West	-45	6	250	py	
						METRES	METRES		
8	Kidd Creek Mines Ltd.	CH31-1	1985	0	-75	2.44	121.92	py,cp	
9	Kidd Creek Mines Ltd.	CH42-01	1984	040	-45	0.30	159.11	py,cp	
10	Kidd Creek Mines Ltd.	CH42-02	1984	000	-50	5.49	129.54	fu,py	
						FEET	FEET		
11	Nealand Mining and Exploration Ltd.	GP88-1	1988	South	-45	6.5	400	py	
12	Tonapah Mining		1921	3000' of drilling noted - probably underground at Herrick shaft					
			1919	3 holes averaging 450' each probably near Herrick shaft					

● —— indicates core stored at Drill Core Library

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
13	Grantland Gold Mines Ltd.	C-1	1954	West	-45	0	55		
		C-2	1954	West	-30	0	54		
14	Grantland Gold Mines Ltd.	C-3	1954	East	-30	0	24		
		C-4	1954	East	-45	0	25		
15	Wright-Hargreaves Mines Ltd., Cochrane	1	1945	S47E	-30	7	216	py,cp,Au	Au
		2	1945	S76E		25	353	py,IF	Au
		3	1945	N36E	-35	19	122	py	Au
		4	1945	N36E	-60	5.4	123	py	Au
		5	1945	N33E	-45	6.6	132.2	py	Au
		6	1945	N34E	-35	9	178.2	IF,py	Au
		7	1945	Easterly	-35	14	153.10	py,IF	Au
		8	1945	N5W	-45	14	126	py	Au
		9	1945	N72W	-45	8.5	46	py	Au
		10	1945	S84W	-45	8.5	126	py	Au
		11	1945	84W	-60	8	82	cp	Au
		12	1945	Westerly	-60	33.10	60.9		Au
		13	1945	Westerly	-45	29	43	py	Au

● indicates core stored at Drill Core Library

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
16	Nealand Mining and Exploration Ltd.	GP87-1	1987	355	-45	5	318	py	Au
17	Nealand Mining and Exploration Ltd.	JN87-1	1987	240	-45	6	365	py	Au
18	Pacesetter Mines Ltd.	PA-1	1974	S15W	-45	5	125	py	Au
		PA-2	1974	S15E	-45	13.5	124	py	Au
		PA-3	1974	S15W	-45	10	124	py,fu	Au
		PA-4	1974	S15W	-45	3	124	py	Au
		PA-5	1974	S15W	-45	12	112	py	Au
		PA-6	1974	N15E	-45	24	105	py	Au
		PA-7	1974	S55W	-45	7	125	py,hem	Au
		PA-8	1974	S55W	-45	4	125	py	Au
19	Tri-Bridge Consolidated Gold Mines Ltd.	T-3	1975	N60E	-45	17.5	346	gf,py,mp	
20	Tri-Bridge Consolidated Gold Mines Ltd.	T-4	1975	S60W	-45	4.3	255	py,ch	
		T-5	1975	N60E	-45	3.3	266	py	

● —— indicates core stored at Drill Core Library

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden FEET	Total Length of Hole FEET	Mineralization Noted in Log	Assay Data Included for
21	Timmins Gold Resources Ltd.	XP-06A ●	1982	222	-45	11	185	py	
22	Timmins Gold Resources Ltd.	XP-07A ●	1982	222	-45	12	178	py,gf,gn	
		XP-07B ●	1982	222	-70	9	221	py,gn	
23	Shiningtree Gold Resources Ltd.	Holes 82-1 to 82-13 ●	1982	No logs or location filed.					

● —— indicates core stored at Drill Core Library

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for

● —— indicates core stored at Drill Core Library

AIRBORNE GEOPHYSICAL SURVEY DATA

Number on File Index Map(s)	– by – for – year	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
24	By: Terraquest Ltd. For: Gail Resources Inc. Year: 1984-1985	Electromagnetic and Magnetic	100m	N/S	100m
25	By: Terraquest Ltd. For: Marshall Minerals Corp. Year: 1984	Electromagnetic and Magnetic	100m	N/S	100m
34	By: Dighem Surveys and Processing Inc. For: Manwa Exploration Services Ltd. Year: 1984	Dighem III Electromagnetic, VLF and Magnetic	32m	N/S	200m
40	By: H. Ferderber Geophysics Ltd. For: Skead Holdings Ltd. Year: 1989	Electromagnetic and Magnetic	300'	NE/SW	440'

Number on File Index Map(s)	AIRBORNE GEOPHYSICAL SURVEY DATA		Flight Altitude	Flight Line Direction	Flight Line Spacing
	— by — for — year	Type of Survey			

GEOCHEMICAL SURVEY DATA

(see Exploration Data Map)

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
1	B-1 horizon and some A-1 horizon soil samples	Gold	By: Assayers (Ontario) Ltd. For: Narex Ore Search Consultants Inc.	Churchill Tp. AF Onitap Resources Inc., Jonson Lake Group
2	B-1 horizon and some A-1 horizon soil samples	Gold	By: Assayers (Ontario) Ltd. For: Narex Ore Search Consultants Inc.	Churchill Tp. AF Onitap Resources Inc. Gosselin Property AFRO #2.7018
3	humic soils between line 40S and 52S; no map available	Gold, Arsenic	By: Bondar-Clegg Laboratories	Churchill Tp. AF Silver Princess Resources Inc.

GEOCHEMICAL SURVEY DATA

(see Exploration Data Map)

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference

GEOCHRONOLOGY DATA – AGE DATING

Site No. on Map	Method	Material	Reference	Result

AERIAL PHOTOS; MOSAICS; IMAGERY

The following items are available for inspection at the Resident Geologists Office:

(a) Aerial Photographs: 1" to 1/4 mile, 1970, black and white

(b) Photomosaics:

(c) Satellite Imagery:

TOPOGRAPHIC MAPS (selected)

scale	year	name and/or number	by
1:50 000	1976	Shining Tree, Ontario, NTS 41P/11	Surveys and Mapping Branch, EMR
1:20 000	1982	OBM 2017 4700 52700 2017 4800 52700 2017 4700 52600 2017 4800 52600	MNR

NEWSPAPER CLIPPINGS FILE (selected)

PAPER	DATE	PAGE	"ARTICLE HEADLINE" OR COMPANY AND/OR SUBJECT
			GRANTLAND GOLD MINES LTD.:
Northern Miner	May 10, 1951		Grantland Work
			MATACHEWAN CANADIAN GOLD:
Northern Miner	Dec. 13, 1962		Forty Years Old Matachewan Listed
Northern Miner	Jan. 1, 1970		Triton Explorations Listed on CSE
Northern Miner	July 13, 1967		Matachewan Canadian
Northern Miner	Nov. 22, 1973		Triton Prospects Founder Copper Sales Evaporate
			ONITAP RESOURCES:
Northern Miner	Dec. 27, 1984		Onitap Encouraged in Nova Scotia
			PACESETTER MINES:
Northern Miner	Sept. 19, 1974		Pacesetter Mines New Ontario Company
			RONDA GOLD MINES LTD.:
Northern Miner	Apr. 13, 1939		Recommended Further Work for Ronda Gold
Northern Miner	Apr. 20, 1939		Ronda Will Change Capital Set-up
Northern Miner	Apr. 27, 1939		Ronda Will Issue New Shares

NEWSPAPER CLIPPINGS FILE (selected)

PAPER	DATE	PAGE	"ARTICLE HEADLINE" OR COMPANY AND/OR SUBJECT
			RONDA GOLD MINES LTD. (continued):
Northern Miner	Feb. 16, 1939		Ronda Pours Brick
Northern Miner	July 20, 1939		New Developments at Ronda G.
Northern Miner	June 8, 1939		Ronda Gold Mines Proposes Diamond Drilling
Northern Miner	May 18, 1939		Ronda Creditors Meeting Considers Proposal
Northern Miner	Nov. 16, 1939		Ronda - Silver Valley
			SHININGTREE GOLD RESOURCES:
George Cross News Letter	Apr. 15, 1983	73	Silver Princess Resources Inc.
Northern Daily News	Apr. 30, 1983	3	Shiningtree Gold Resources has Roots in Exploration
Northern Miner	Aug. 1983		Shiningtree Stays Active
Northern Miner	Aug. 8, 1982		Shiningtree Begins Drilling Program on Churchill Claims
Northern Miner	Feb. 28, 1985		Shiningtree Option Dropped by Inco
Northern Miner	Feb. 7, 1983		Shiningtree Begins Work on Hemlo Claims

NEWSPAPER CLIPPINGS FILE (selected)

PAPER	DATE	PAGE	"ARTICLE HEADLINE" OR COMPANY AND/OR SUBJECT
			SHININGTREE GOLD RESOURCES (continued):
Northern Miner	Jan. 13, 1983		Silver Princess Options 112 Claims in Churchill Tp. from Shiningtree Gold
Northern Miner	Jan. 20, 1981		Shiningtree Gold Area Comes Alive
George Cross News Letter, #1	June 8, 1983		Silver Princess Resources Inc.
Northern Miner	Mar. 1, 1984		Kirkland Now Strong Exploration Base
Northern Miner	May 6, 1982	3	High Grade Vein Uncovered on Shiningtree Gold Bet
Northern Miner	Nov. 1981		Shiningtree Gets Encouraging Results from Channel Sampling
Temiskaming Speaker	Nov. 5, 1909		Silver at Shiningtree
Northern Miner	Oct. 14, 1982		Shiningtree Begins Drilling Program on Timmins Bet
Northern Miner	Sept. 29, 1983		Shiningtree Active Across Ontario
Northern Miner	Sept. 8, 1981		Shiningtree Impressed with Results from Churchill Property
Northern Miner	Sept. 9, 1982		Shiningtree Gold Resources

NEWSPAPER CLIPPINGS FILE (selected)

PAPER	DATE	PAGE	"ARTICLE HEADLINE" OR COMPANY AND/OR SUBJECT
			SHININGTREE RESOURCES LTD.:
Northern Miner	Apr. 18, 1988		Shiningtree Resources
Northern Miner	Mar. 8, 1988		Shiningtree Resources Ltd.

NEWSPAPER CLIPPINGS FILE (selected)

PAPER	DATE	PAGE	"ARTICLE HEADLINE" OR COMPANY AND/OR SUBJECT

OGS/ODM GENERAL INDEX SEARCH

Words Searched:

ANNETT, ROY
BEILBY LAKE
BLACK TIGER
BOLDUC GOLD MINES LTD.
CASHABACK, AMBROSE
CHURCHILL GOLD MINE
CHURCHILL MINING AND MILLING CO. LTD.
CHURCHILL TOWNSHIP
COCHRANE CLAIMS
COCHRANE LAKE
COCHRANE, S.
COLBERT, E.
CONSOLIDATED GOLD MINES LTD.
CONSOLIDATED ONTARIO GOLD MINES LTD.
CORONA
CRYDERMAN LAKE
DEERING, DAVID
DOME EXPLORATION (CANADA) LTD.
EPLETT LAKE
FALCON GOLD DEVELOPMENTS LTD.
FALCON GOLD MINES LTD.
FERGUSON, RALPH
FRITH, A.
FRITH, H.
FRITH, LAKE
GAIL RESOURCES LTD.
GOLD CORONA GOLD MINE
GOREDA INVESTMENTS LTD.

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1	Churchill Tp., Sud.			
	Map	21	1	273
	See also West Shiningtree Area			
	Gosselin Gold Mine, Asquitn and Churchill Tps.			
	Capital and date of charter	23	1	41
	Notes by Stewart	21	1	275
		22	1	235
	Gosselin Lake, Churchill tp.	21	1	274
	Jepson Gold Mine, Churchill tp.			
	Map showing locations	21	1	273
	Okawakenda Lake, Churchill Tp.	21	1	272
	Queen of Sheba Gold Mines Ltd.			
	Capital and date of charter	16	2	178
		17		36
	Sauve, Joseph	18	1	133
	Sharon Mines Ltd. (1)			
	Capital and date of charter	19	1	49

OGS/ODM GENERAL INDEX SEARCH

Words Searched:

GOSSELIN CREEK
GOSSELIN, FRED
GOSSELIN GOLD MINE
GOSSELIN GOLD MINES LTD.
GOSSELIN LAKE
GOSSELIN LAKE STOCK
GOSSELIN NORTH CLAIMS
GOSSELIN SOUTH CLAIMS
GOSSELIN VEIN
GRANTLAND GOLD MINES LTD.
GREENE, M. & ASSOC.
GUNTER, CLINT
GUNTER MINES LTD.
HAMES, C.M.
HERRICK GOLD MINE
HERRICK GOLD MINES LTD.
JEFFERSON LAKE
JEPSON GOLD MINE
JEPSON LAKE
JONSMITH MINES LTD.
JONSON LAKE
JORGENSON, W.D.
KIDD CREEK MINES LTD.
KINGSLEY VEIN
KNOX, J.A.
KNOX GOLD CLAIMS
KNOX, WALTER R.
LABLANC, GUILLAUME
MCBRIDE, WILLIAM
MCINTYRE PORCUPINE MINES LTD.

Index Volume	Listing	Report Volume	Part	Page
1	Sharon Mines Ltd. (2)			
	Capital and date of charter	23	1	41
	Speed Lake, Churchill tp.			
	Syenite near	21	1	274
	West Shiningtree Lake, Asquith tp.			
	Character	21	1	272
	Geology, gold and maps. See West Shiningtree Lake gold area			
	Post office established	22	1	233
	Rocks	21	1	272, 274
	West Shiningtree Lake Gold Area, Asquith, Churchill and other tps.			
	Key map facing	21	1	270
	Map No. 21d with	21	1	
	Map showing claims	21	1	273
	Mining development	22	1	102
		23	1	112
	Reports by Stewart	21	1	271-277
		22	1	233-237

OGS/ODM GENERAL INDEX SEARCH

Words Searched:

MAKWA-CHURCHILL AREA
MANWA EXPLORATION SERVICES LTD.
MARSHALL, C.
MARSHALL MINERALS CORP.
MATACHEWAN CANADIAN GOLD LTD.
MICHIWAKENDA LAKE
MICHIWAKENDA LAKE FAULT
MINING CORP. OF CANADA LTD., THE
NEALAND MINING AND EXPLORATION LTD.
NEVILLE CANADIAN GOLD MINES
NORANDA EXPLORATION CO. LTD.
NORANDA GOLD MINES LTD.
ODDUR LAKE
OKAWAKENDA LAKE
ONITAP RESOURCES LTD.
PACESETTER MINES LTD.
PAKOWSKY, VICTOR
PARRES, JAMES
PATINO MINES (QUEBEC) LTD.
PERKINS LAKE

Index Volume	Listing	Report Volume	Part	Page
2	Beilby Lake, Churchill tp.			
	Rocks. See map 29a with	29	3	
	Churchill Gold Mine, Churchill tp.			
	Development; rock; veins,			
	Character	29	3	37,41
	Idle (1918)	28	1	130
	Location	29	3	38
	See also map 29a with	29	3	
	Rocks	30	2	37
	See also map	35	6	84
	Churchill Tp., Sud.			
	See also Churchill g.m. Gosselin l. Wasapika l. West Sniningtree g. area			
	Geology, sketch map	35	6	84
	Gold:			
	claims, map showing	30	2	38
	mining	29	1	89
		30	1	103
	prospecting	26		90
	See also Gold Corona g.m.			
	Map. See map 29a with	29	1	
	Rocks	35	6	88

OGS/ODM GENERAL INDEX SEARCH

Words Searched:

QUEEN OF SHEBA
RIBBLE LAKE
RONDA GOLD MINE
RONDA GOLD MINES LTD.
ROYAL MINING CORP.
SAUVE, JOSEPH
SAVILLE CREEK
SAVILLE LAKE
SAVILLE, STEWART
SHARON MINES LTD.
SHININGTREE
SHININGTREE 1 CLAIMS
SHININGTREE CONSOLIDATED MINES LTD.
SHININGTREE GOLD RESOURCES INC.
SHININGTREE MINING AND MILLING CO.
SILVER PRINCESS RESOURCES INC.
SPEED, C.
SPEED GOLD MINE
SPEED LAKE
SUTHERLAND, F.C.
TEXASGULF OF CANADA LTD.
TIMMINS GOLD RESOURCES INC.
TONAPAH CANADIAN MINES CO.
TONAPAH MINING
TORCHIA LAKE
TRI-BRIDGE CONSOLIDATED GOLD MINES LTD.

Index Volume	Listing	Report Volume	Part	Page
2	Churchill Mining and Milling Co.			
	Capital and date of charter and directorate and objects	28	1	84
		29	1	89
		32	6	31
	Cochrane Gold Claim, Churchill tp.			
	Idle (1918)	28	1	130
	Iron formation	29	3	35,37
		30	2	11,37
		35	6	87
	Location	29	3	38
	Rhyolite	35	6	
	See also map 29a with	29	3	
	Vein, character	29	3	41,42
	Cochrane Lake, Churchill Tp.			
	Keewatin rocks. See map 29a with	29	3	
	Cryderman Lake, Churchill and Asquith tps.			
	Rocks. See map 29a with	29	3	
	Eplett Lake, Churchill and Asquith tps.			
	Rocks. See map 29a with	29	3	

OGS/ODM GENERAL INDEX SEARCH

Words Searched:

TRITON EXPLORATIONS LTD.
UFLAND, D.
VELLOW, PETER
WERRETT, W.E.
WEST SHININGTREE LAKE GOLD AREA
WEST SHININGTREE CREEK
WEST SHININGTREE LAKE
WHITE CAT LAKE
WINNEBAGO MINES LTD.
WRIGHT HARGREAVES MINES LTD.

Index Volume	Listing	Report Volume	Part	Page
2	Frith, A.			
	See Gosselin g. claim			
	Frith Lake, Churchill tps.			
	Keewatin rocks. See map 29a with	29	3	
	Gold Corona Gold Mine, Churchill tp.			
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		30	2	37
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	Veins, character	29	3	39
		30	2	11
	Work exploratory	35	6	96
	Suspended (1918)	28	1	130
	Gosselin, Fred			
	See also Gosselin g.m.			

OGS/ODM GENERAL INDEX SEARCH

Words Searched:

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2	Gosselin Gold Mine (claims 2193-7, 2365 etc.), Asquith and Churchill tps.			
	Description	29	3	51,52
	Discovery	29	3	30
	Operations	28	1	130
	Photo	29	3	52
	Rocks	29	3	33,36, 37
	porphyry and rhyolite	30	2	37
	Sketch map showing location	29	3	38
		30	2	38
	Gosselin Lake, Churchill tp.			
	Serpentine, notes and photo	29	3	35
	See also map 29a with	29	3	
	Gosselin Gold Mg. Co.			
	Gold mg., West Shiningtree field	26		91
	Idle (1919)	29	1	89

OGS/ODM GENERAL INDEX SEARCH

Words Searched:

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2	Herrick Gold Mine, Michiwakenda Lake			
	See also Herrick Gold Mines Ltd.			
	Accidents	32	6	4
	Depth	30	2	12
	Description	35	6	92
	photo	29	3	42,43
	Diamond drilling	29	3	31
	Fault	35	6	88
	Ore shoots	29	3	29
	Rocks	29	3	34-37
		35	6	85-88
	Veins, notes	28	1	129
		29	3	39
	Herrick Gold Mines Ltd.			
	Capital and date of charter	29	1	53
	Directors	28	1	129
	Gold prospecting, Michiwakenda l.	29	1	89
		30	1	103
		32	6	31
	Operations, Churchill tp. (1918)	28	1	129
	See also Herrick g.m.			

OGS/ODM GENERAL INDEX SEARCH

Words Searched:

Index Volume	Listing	Report Volume	Part	Page
2	Jefferson Lake, Churchill tp.			
	Keewatin rocks. See map 29a with	29	3	
	Jepson Lake, Churchill tp.			
	Keewatin rocks. See map 29a with	29	3	
	Jonson Lake, Churchill tp.			
	Keewatin rocks. See map 29a with	29	3	
	Kingley Gold Vein, Michiwakenda Lake			
	See Herrick g.m.			
	Knox, J.A.			
	Gold found by,	29	3	46,48
	E. of Knox l.			
	S. of Michiwakenda l.	29	3	41,43
		35	6	92
	of Churchill g.m.	32	6	31
	Caswell Mg. Co.	26		90
	Knox Gold Claims, Churchill tp.			
	See Herrick g.m.			

OGS/ODM GENERAL INDEX SEARCH

Words Searched:

Index Volume	Listing:	Report Volume	Part	Page
2	Knox, Walter R.			
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		32	6	31
	Sale by, of claims to Shining Tree Consolidated	32	6	32
	Michiwakenda Lake, Churchill and MacMurchy tps.			
	Fault (?)	35	6	88
	Gold prospecting	29	1	89
		30	1	103
		32	6	32
	See also Herrick Gold Mines Ltd. West Tree Mines Ltd.			
	Iron formation notes and photo	29	3	34,35
	Map, geological. See map 29a with	29	3	
	Oddur Lake, Churchill tp.			
	Rocks. See map 29a with	29	3	
	Pakowsky, Victor			
	Gosselin g.m. optioned to	29	3	51
	Perkins Lake, Churchill tp.			
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OGS/ODM GENERAL INDEX SEARCH

Words Searched:

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2	Queen of Sheba Gold Mine, Churchill tp.			
	See Gold Corona g.m.			
	Ribble Lake, Churchill tp.			
	Algoman and Keewatin rocks. See map 29a with	29	3	
	Gold mining. See Miller Adair Mines Ltd.			
	Saville Lake, Churchill tp.			
	Keewatin, See map 29a with	29	3	
	Shiningtree Consolidated Mines Ltd.			
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	directorate; claims	32	6	32
	Shiningtree Mining and Milling Co.			
	Capital and date of charter	27	1	72
	Speed Gold Mine, Churchill tp.	28	1	131
	Speed Lake, Churchill tp.			
	Keewatin rocks. See map 29a with	29	3	
	Sutherland, F.C.			
	of Herrick Gold Mines Ltd.	29	3	43
		30	1	103

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Author	Date	Title	Reference	Map Scales and/or Report Pages
Alcock, P.W.	1987	Quaternary Geology of the Shining Tree Area, Dist. of Sud. and Tim.; in Summary of Field Work and Other Activities by the OGS	OGS MP 137	p. 374-376
Aultman, James T.	1988	Gold Dispersal and Till Genesis, Beilby Lake Area, Churchill Township, Dist. of Sud.	Univ. of Western Ontario, B.Sc. Thesis	70 p.
Carter, M.W.	1974	Churchill Township, Sud. Dist., Ont.	ODM Map P.960	1:15 840
Carter, M.W.	1977	Geology of Connaught and Churchill Townships, NTS 41P/11, Sud. Dist., Ont.	OGS OFR 5226	
Carter, M.W.	1979	Connaught and Churchill Townships, NTS 41P/11, Sud. Dist., Ont.	OGS Map 2414	1:31 680
Carter, M.W.	1980	Geology of Connaught and Churchill Townships, NTS 41P/11, Sud. Dist., Ont.	OGS Report 190	
Carter, M.W.	1980	Shining Tree Area, NTS 41P/11, Tim. and Sud. Dist., Ont.	OGS Map P.2313	1:50 000
Carter, M.W.	1981	Shining Tree Area, NTS 41P/11, Tim. and Sud. Dist., Ont.	OGS OFR 5346	
Carter, M.W.	1989	Geology of the Shining Tree Area, Dist. of Sud. and Tim.	OGS Rpt. 240 OGS Map 2510	48 p.

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Collins, W.H.	1909	Preliminary Report on the Gowganda Mining Division, Dist. of Nip., Ont.	GSC Separate Report 1075 GSC Map 1076	 1:63 360
Collins, W.H.	1912	Geology of Onaping Sheet, Ontario: Portion of Map Area between West Shiningtree and Onaping Lakes	GSC Summary Report 1911	pp. 244-252
Collins, W.H.	1914	The Geology of the Gowganda Mining Division	GSC Memoir 33 GSC Map 64A	 1:63 360
Collins, W.H.	1917	Onaping Map Area	GSC Memoir 95	39 p.
Closs, L.G.	1975	Geochemical Distribution of Zn in B Horizon Soils and Till Components in parts of Kelvin + 3AL Tps., NTS 41P/11, Sud. Dist., Ont.	ODM Map P.1003	1:31 680
Closs, L.G.	1975	Geochemical Distribution of Ni in B Horizon Soils and Till Components in parts of Kelvin + 3AL Tps., NTS 41P/11, Sud. Dist., Ont.	ODM Map P.1004	1:31 680
Closs, L.G.	1975	Geochemical Distribution of Co in B Horizon Soils and Till Components in parts of Kelvin + 3AL Tps., NTS 41P/11, Sud. Dist., Ont.	ODM Map P.1005	1:31 680
Closs, L.G.	1975	Geochemical Distribution of Cu in B Horizon Soils and Till Components in parts of Kelvin + 3AL Tps., NTS 41P/11, Sud. Dist., Ont.	ODM Map P.1006	1:31 680

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Closs, L.G.	1975	Geochemical Distribution of Cr in B Horizon Soils and Till Components in parts of Kelvin + 3AL Tps., Nts 41P/11, Sud. Dist., Ont.	ODM Map P.1007	1:31 680
Closs, L.G.	1975	Geochemical Distribution of Mn in B Horizon Soils and Till Components in parts of Kelvin + 3AL Tps., NTS 41P/11, Sud. Dist., Ont.	ODM Map P.1008	1:31 680
Closs, L.G., Sado, E.V.	1975	Exploration Geochemistry-Quaternary Geology Investigations in Parts of Halliday + AL5 Tps., NTS 41P/N, Sud. and Tim. Dists., Ont.	ODM OFR 5154	
Closs, L.G.	1976	Bedrock Geochemistry in parts of Halliday, Midlothian, Kelvin, Natal, Churchill and MacMurchy Tps., NTS 41P/NW, Sud. and Tim. Dists., Ont.	ODM OFR 5177 ODM Maps P.1072-1077	
Closs, L.G.	1979	Geochemical Distribution of Zinc in Bedrock from parts of Kelvin, Natal, Churchill and Macmurchy Tps., NTS 41P/11E and 14E, Sud. Dist., Ont.	ODM Map P.1072	1:31 680
Closs, L.G.	1979	Geochemical Distribution of Nickel in Bedrock from parts of Kelvin, Natal, Churchill and Macmurchy Tps., NTS 41P/11E and 14E, Sud. Dist., Ont.	ODM Map P.1073	1:31 680

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Closs, L.G.	1979	Geochemical Distribution of Copper in Bedrock from parts of Kelvin, Natal, Churchill and Macmurchy Tps., NTS 41P/11E and 14E, Sud. Dist., Ont.	ODM Map P.1074	1:31 680
Closs, L.G.	1979	Geochemical Distribution of Iron in Bedrock from parts of Kelvin, Natal, Churchill and Macmurchy Tps., NTS 41P/11E and 14E, Sud. Dist., Ont.	ODM Map P.1075	1:31 680
Closs, L.G.	1979	Geochemical Distribution of Silica in Bedrock from parts of Kelvin, Natal, Churchill and Macmurchy Tps., NTS 41P/11E and 14E, Sud. Dist., Ont.	ODM Map P.1076	1:31 680
Closs, L.G.	1979	Geochemical Distribution of Mercury in Bedrock from parts of Kelvin, Natal, Churchill and Macmurchy Tps., NTS 41P/11E and 14E, Sud. Dist., Ont.	ODM Map P.1077	1:31 680
Closs, L.G., Sado, E.V.	1982	Bedrock and Overburden Geochemistry Investigations in the Midlothian Lake and Natal Lake Areas, NTS 41P/N, Sud. and Tim. Dists., Ont.	OGS Study 24	
Easton, R.M.	1986	Geochronology of Ontario, Part 1: Compilation of Data	OFR 5592	179 p.

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
GSC	1957	Aeromagnetic Map, Shining Tree, Ontario	GSC Map 285G	1:63 360
GSC	1988	Gravity-Bouguer Anomalies, Sud., Ont. and Quebec	GSC Map Map NL-17-GR(BA)	1:1 000 000
Ginn, R.M.	1964	Timmins-Kirkland Lake Sheet, Cochrane, Sud. and Temiskaming Dist. Ont., Geological Compilation Series	ODM Map 2046	1:253 440
Gupta, V.K.	1981	Bouguer Gravity and Generalized Geological Map of Gogama-Gowganda Area, NTS 41P, Tim. and Sud. Dist., Ont.	OGS Map P.2481	1:100 000
Hopkins, P.E.	1920	West Shiningtree Gold Area, Sud. Dist., Ont.	ODM AR, 1920, vol. 29, pt. 3 ODM Map 29a	pp. 29-52 1:31 680
Hornbrook, E.H.W., & Friske, P.W.B.	1988	Regional Lake Sediment and Water Geochemical Reconnaissance Data, Gogama Area, Ont.	GSC OFR 1640	
Hunter and Assoc. Ltd.	1984	Peat and Peatland Evaluation of the New Liskeard Area, NTS 31M/12 and 41P/E, Tim. + 2 other Dist., Ont.	OGS OFR 5486	3 volumes
Jolly, W.T.	1978	Metamorphic History of the Archean Abitibi Belt	GSC Paper 78-10	pp. 63-78

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Kretschmar, U., Kretschmar, D.	1980	Talc, Magnesite and Asbestos Deposits in the Kirkland Lake-Timmins Area, NTS 31M, 32D, 41O, 41P, 42A, 42B, Tim. + 2AL Dist., Ont.	OGS OFR 5310	
Kutina, Jan and Fabbri, Andrea	1972	Relationship of Structural Lineaments and Mineral Occurrences in the Abitibi area of the Canadian Shield	GSC Paper 71-9	36 p.
Laird, H.C.	1935	Geology of the Makwa-Churchill Area, Sud. Dist., Ont.	ODM AR, 1934, vol. 43, pt. 3 ODM Map 43c	pp. 37-80 1:63 360
Legun, A.	1984	Huronian Stratigraphy and Sedimentation in the Cobalt area, NTS 31M/W and 41P, Ont.	OGS OFR 5508	
Long, D.G.F., Leslie, C.A.	1986	The Placer Gold Potential of the Early Aphebian Gowganda Formation along the Northern Margin of the Cobalt Embayment, Ontario with Comments on Associated Concentrations of Silver and Copper	OGS OFR 5608	

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
OGS	1979	Airborne Gamma-Ray Spectrometry Maps and Profiles	OGS Geoph-Geoch Maps 80372-80410	1:250 000
Park, W.A.	1907	The Geology of a District from Lake Timiskaming Northward	GSC Sum. Rept. 1904, vol. XVI, pt. A	pp. 198-225
Pyke, D.R., Ayres, L.D., Innes, D.G.	1973	Timmins-Kirkland Lake Geological Compilation Series, Cochrane, Sud. and Tim. Dist., Ont.	ODM Map 2205	1:253 440
Redman, J.D., Strangway, D.W.	1986	Ontario Geoscience Research Grant Program, Grant No. 118, Surface Electromagnetic Mapping in Northern Ontario	OGS OFR 5615	
Roed, M.A., Hallett, D.R.	1980	Gogama Area, NTS 41P/NW, Tim. and Sud. Dist., Ont.	NOEGTS 82	
Roed, M.A., Hallett, D.R.	1980	NOEGTS Data Base Map, Gogama, NTS 41P/NW, Tim. and Sud., Ont.	OGS Map 5019	1:100 000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Sado, E.V., Clarke, W.A.	1974	Quaternary Geology, Halliday, Midlothian, Kelvin, Natal Tps. and parts of Churchill and MacMurchy Tps., Tim. and Sud. Dists., Ont.	ODM Map P.957	1:31 680
Savage, W.S., Fenwick, K.G.	1962	Gogama Sheet, Dists. of Sud. and Tim., Ont.	ODM Map P.151	1:126 720
Springer, J.	1977	Ontario Mineral Potential, Gogama Sheet and part of Ville Marie Sheet, NTS 41P, 31M/W, Tim. and Sud. Dists., Ont.	OGS Map P.1514	1:250 000
Stewart, R.B.	1913	The West Shining Tree Gold Area, Sud. Dist., Ont.	OBM AR, 1913, vol. 22, Pt. 1	p. 233-237
Symons, D.T.A., Stupavsky, M.	1983	Grant No. 143: Analysis of Aeromagnetic Anomalies over Algoman-Type Iron Formations	OGS OFR 5476	

Note No.	NOTES
	The exploration data map shows only the most important minerals found at each site. All the minerals noted are listed in the mineral occurrences or the drill hole data. On the maps, only the areas for which work has been submitted to the Ministry are shown and thus a company may hold, or have held in the past, more ground than is shown. No present or past producers.
N-1	Silver Princess Resources Inc. - Petrographic Analysis, 1983.

ADDENDA

CONVERSION FACTORS

Conversion from SI to Imperial			Conversion from Imperial to SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
		LENGTH			
1 mm	0.039 37	inches	1 inch	25.4	mm
1 cm	0.393 70	inches	1 inch	2.54	cm
1 m	3.280 84	feet	1 foot	0.304 8	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	1.609 344	km
		AREA			
1 cm^2	0.155 0	square inches	1 square inch	6.451 6	cm^2
1 m^2	10.763 9	square feet	1 square foot	0.092 903 04	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
		VOLUME			
1 cm^3	0.061 02	cubic inches	1 cubic inch	16.387 064	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
		CAPACITY			
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	4.546 090	L
		MASS			
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	31.103 476 8	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	0.453 592 37	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	907.184 74	kg
1 t	1.102 311	tons (short)	1 ton (short)	0.907 184 74	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	1016.046 908 8	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	1.016 046 908 8	t
		CONCENTRATION			
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy) per ton (short)	20.0	pennyweights per ton (short)
1 pennyweight per ton (short)	0.05	ounces (troy) per ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

Note: Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries, published by the Mining Association of Canada in cooperation with the Coal Association of Canada.

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MAP LEGENDS

A. FILES INDEX MAP

FILE AREAS See pages 4-1,2 .... of text

- ■ Reference number is always inside work area outlined. See listing in text pages.
- ☐ Small area of exploration data
- ☐ File covers whole township or area
- ☐

B. EXPLORATION DATA MAP

MINERAL OCCURRENCES: See pages 3-1,2... of text

- ■ Mineral occurrence at surface, with reference letter
- ■ Mineral occurrence with shaft, depth given with reference letter
- ☐ Mineral occurrence reported but exact location uncertain, with reference letter
- ☐ Mineralized float with reference letter
- ■ Mineral occurrence encountered in drilling, with reference letter
- ☐

DRILLHOLES: See pages 5-1,2... of text

- ■ Location of single drillhole, with reference number
- ■ Location of group of closely spaced drillholes, with reference number
- ☐ Drillhole, exact location uncertain, with reference number
- ☐ Property with underground drillholes in this general area, with reference number
- ■ Property with drillholes which have not been plotted on map, with reference number
- ☐ Reverse circulation drillhole; churn drilling, with reference number
- ☐

GEOCHEMICAL: See pages 7-1,2....of text

- ■ Geochemical sample site, with reference number
- ■ Area of geochemical sampling, with reference number
- ☐

GEOPHYSICAL ANOMALIES

Airborne Surveys: See pages 6-1,2.... of text

- ■ Airborne magnetic anomaly
- ☐ Airborne electromagnetic anomaly Length of anomaly along flight line
- ☐ Airborne electromagnetic anomaly Location of anomaly along flight line
- ■ Airborne electromagnetic anomaly Conductor axis: definite, probable, possible
- ☐ Airborne electromagnetic anomaly Conductor axis: Location of flight lines uncertain
- ☐ Airborne radiometric anomaly

Ground Surveys

- ■ Ground magnetic anomaly
- ■ Ground electromagnetic anomaly (VL Vertical loop, HL Horizontal loop VLF Very low freq., Turam, JEM Crone Em - 16)
- ☐ Ground radiometric anomaly
- ☐ Induced polarization anomaly
- ☐ Self potential anomaly
- ☐ Audio-frequency magnetic anomaly (total intensity)
- ☐ Resistivity anomaly
- ☐ Gravity anomaly
- ☐

GEOCHRONOLOGICAL DATA: See page 8 of text

- ☐ Age dating material sampling site, with reference number
- ☐

MISCELLANEOUS DATA

- ■ Trenching, pit
- ☐ Adit
- ☐ Sand and/or gravel pit
- ☐
- ☐ Rock quarry
- ☐ Open pit
- ☐

MAPS
NOT
FILMED

CARTES
OMISES